



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 11201325
SAU: Old Town School Department
School: Leonard Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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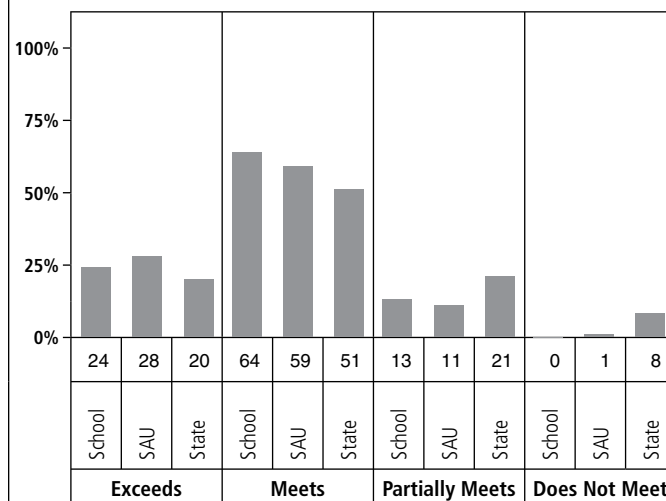
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

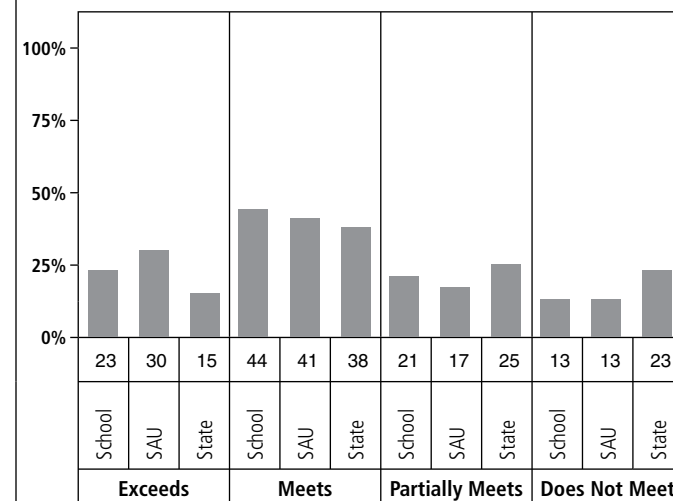
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	849	849	847
2007–2008	851	851	849
2008–2009	854	855	850
Cum. Avg.*	851	852	849
Mathematics			
2006–2007	845	847	842
2007–2008	843	844	841
2008–2009	848	850	843
Cum. Avg.*	845	847	842
Science			
2008–2009 **	851	853	846

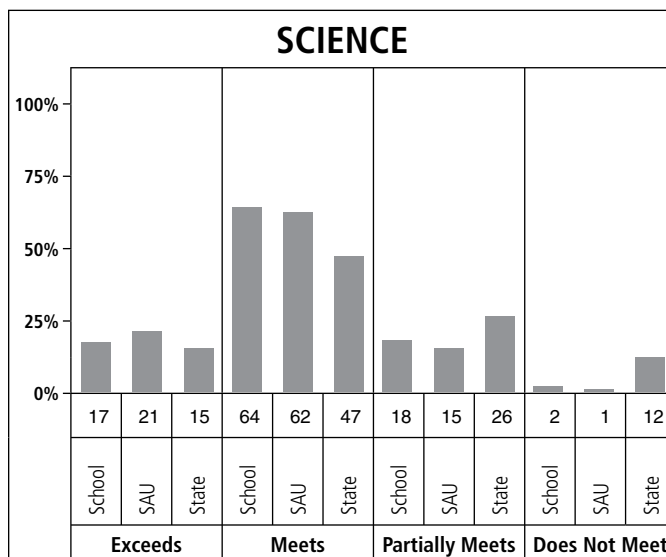
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: Old Town School Department
 School: Leonard Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	103	100	72	100	14804	100	102	100	71	100	14659	99	102	100	71	100	14653	99	102	100	71	100	14626	99
Ethnicity African American/Black	2	2	2	3	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	0	0	1	1	119	1	0	0	1	100	117	99	0	0	1	100	115	97	0	0	1	100	116	98
Asian or Pacific Islander	0	0	0	0	238	2	0	0	0	0	232	97	0	0	0	0	234	98	0	0	0	0	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	101	98	69	96	13878	94	100	100	68	100	13756	99	100	100	68	100	13742	99	100	100	68	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	18	17	12	17	2489	17	17	100	11	100	2434	99	17	100	11	100	2424	98	17	100	11	100	2418	98
Current LEP	0	0	1	1	349	2	0	0	1	100	331	95	0	0	1	100	342	98	0	0	1	100	338	97
Economically disadvantaged	33	32	24	33	5460	37	33	100	24	100	5380	99	33	100	24	100	5377	99	33	100	24	100	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	89	86	64	89	12132	82	90	87	64	89	12124	82	90	87	64	89	12169	82
Identified disability (PET/IEP)	5	6	4	6	379	3	5	6	4	6	380	3	5	6	4	6	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	2	2	2	3	200	2	2	2	2	3	200	2	2	2	2	3	202	2
Participation with accommodations	13	13	7	10	2349	16	12	12	7	10	2347	16	12	12	7	10	2288	15
Identified disability (PET/IEP)	12	92	7	100	1877	80	12	100	7	100	1862	79	12	100	7	100	1824	80
LEP	0	0	1	14	158	7	0	0	1	14	167	7	0	0	1	14	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	1	8	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
Participation through alternate assessment (PAAP)	0	0	0	0	178	1	0	0	0	0	182	1	0	0	0	0	169	1
Identified disability (PET/IEP)	0	0	0	0	178	100	0	0	0	0	182	100	0	0	0	0	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	1	1	1	1	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	21	18	13	16	2407	16
	2007-2008	27	26	20	27	3428	23
	2008-2009	24	24	20	28	2857	20
	Cum. Total*	72	22	53	23	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	66	55	47	58	7494	49
	2007-2008	51	50	36	48	7179	48
	2008-2009	65	64	42	59	7431	51
	Cum. Total*	182	56	125	55	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	21	18	15	19	3628	24
	2007-2008	17	17	15	20	2706	18
	2008-2009	13	13	8	11	2979	21
	Cum. Total*	51	16	38	17	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	12	10	6	7	1810	12
	2007-2008	8	8	4	5	1611	11
	2008-2009	0	0	1	1	1214	8
	Cum. Total*	20	6	11	5	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	38.7	69.1	39.4	70.4	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.4	67.0	13.6	68.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	25.3	70.3	25.7	71.4	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Old Town School Department
 School: Leonard Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	102	24	24	65	64	13	13	0	0	854	71	28	59	11	1	855	14481	20	51	21	8	850
Ethnicity																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										1						116	10	46	26	18	843
Asian or Pacific Islander	0										0						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	100	24	24	65	65	11	11	0	0	854	68	29	62	9	0	856	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	17	1	6	9	53	7	41	0	0	844	11	0	45	45	9	841	2256	2	25	40	34	834
No	85	23	27	56	66	6	7	0	0	856	60	33	62	5	0	858	12225	23	56	17	4	853
Current LEP																						
Yes	0										1						324	5	34	36	26	838
No	102	24	24	65	64	13	13	0	0	854	70	29	60	11	0	855	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	33	6	18	21	64	6	18	0	0	852	24	17	67	17	0	852	5277	10	46	29	15	844
No	69	18	26	44	64	7	10	0	0	855	47	34	55	9	2	857	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	102	24	24	65	64	13	13	0	0	854	71	28	59	11	1	855	14476	20	51	21	8	850
Gender																						
Female	55	17	31	32	58	6	11	0	0	856	36	36	56	8	0	858	7074	25	51	18	6	852
Male	47	7	15	33	70	7	15	0	0	852	35	20	63	14	3	852	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	17	1	6	12	71	4	24	0	0	849	15	0	73	27	0	847	857	9	43	35	14	843
No	85	23	27	53	62	9	11	0	0	855	56	36	55	7	2	857	13624	20	52	20	8	850
Gifted/talented program																						
Yes	5	3	60	2	40	0	0	0	0	868	5	60	40	0	0	868	700	69	30	1	0	867
No	97	21	22	63	65	13	13	0	0	853	66	26	61	12	2	854	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	2	22	4	44	3	33	0	0	848	8	33	33	17	17	849	8	8	39	29	24	841
B. less than one hour	61	17	27	36	58	9	15	0	0	855	66	30	57	13	0	856	51	17	53	22	8	849
C. one to two hours	29	4	13	25	83	1	3	0	0	853	24	18	76	6	0	853	36	24	52	18	5	852
D. more than two hours	1	1	100	0	0	0	0	0	0	868	1	100	0	0	0	868	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	31	14	44	16	50	2	6	0	0	859	31	50	45	5	0	861	31	35	50	11	4	856
B. good	47	8	17	36	75	4	8	0	0	854	46	21	73	6	0	855	47	16	55	21	7	849
C. fair	17	2	12	10	59	5	29	0	0	848	17	17	50	25	8	848	18	5	47	33	15	842
D. poor	5	0	0	3	60	2	40	0	0	846	6	0	50	50	0	846	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	34	10	29	23	66	2	6	0	0	856	37	35	62	4	0	859	32	27	54	14	5	853
B. They match some of what I have learned.	55	11	20	38	68	7	13	0	0	853	54	24	63	11	3	854	52	18	53	22	8	850
C. They match just a little of what I have learned.	10	3	30	4	40	3	30	0	0	851	8	33	33	33	0	851	12	11	45	29	15	844
D. There is no match.	1	0	0	0	0	1	100	0	0	836	1	0	0	100	0	836	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	12	1	8	8	67	3	25	0	0	849	9	17	83	0	0	853	15	13	42	28	17	844
B. about the same as my regular schoolwork	62	14	22	43	68	6	10	0	0	854	66	24	63	11	2	854	64	19	53	20	7	850
C. easier than my regular schoolwork	26	9	35	14	54	3	12	0	0	858	26	44	44	11	0	860	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	6	75	2	25	0	0	847	7	0	100	0	0	849	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	54	8	15	38	70	8	15	0	0	853	59	17	66	15	2	853	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	38	15	39	20	53	3	8	0	0	857	34	50	42	8	0	860	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	40	8	20	26	63	7	17	0	0	852	38	30	56	15	0	855	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	55	16	29	35	63	5	9	0	0	856	59	29	62	7	2	856	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	4	80	1	20	0	0	848	3	0	50	50	0	842	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	26	6	22	15	56	6	22	0	0	852	30	19	62	19	0	852	19	26	53	15	6	853
B. 20 minutes to an hour	54	16	29	36	65	3	5	0	0	857	56	35	60	5	0	858	40	25	52	17	6	852
C. less than 20 minutes	8	0	0	6	75	2	25	0	0	846	6	0	50	25	25	839	15	18	51	21	10	849
D. I rarely read at home.	12	2	17	8	67	2	17	0	0	851	8	33	50	17	0	854	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	52	16	30	31	58	6	11	0	0	855	54	34	53	11	3	856	42	27	51	15	6	853
B. agree	41	7	17	30	71	5	12	0	0	853	41	21	69	10	0	854	50	15	53	23	9	848
C. disagree	6	1	17	4	67	1	17	0	0	852	6	25	50	25	0	855	7	8	46	32	14	843
D. strongly disagree	1	0	0	0	0	1	100	0	0	838	0						2	6	39	35	21	840
Optional school/SAU question																						
A.	7	1	14	6	86	0	0	0	0	855	0											
B.	15	0	0	12	86	2	14	0	0	848	0											
C.	62	18	31	34	59	6	10	0	0	856	82	30	60	9	0	856						
D.	16	3	20	9	60	3	20	0	0	851	18	17	67	17	0	851						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	20	17	15	19	1952	13
	2007-2008	9	9	6	8	1657	11
	2008-2009	23	23	21	30	2116	15
	Cum. Total*	52	16	42	19	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	54	45	37	46	5870	38
	2007-2008	51	50	40	53	5956	40
	2008-2009	45	44	29	41	5443	38
	Cum. Total*	150	46	106	47	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	22	18	14	17	3982	26
	2007-2008	25	24	16	21	3729	25
	2008-2009	21	21	12	17	3556	25
	Cum. Total*	68	21	42	19	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	24	20	15	19	3534	23
	2007-2008	18	17	13	17	3579	24
	2008-2009	13	13	9	13	3356	23
	Cum. Total*	55	17	37	16	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	32.1	57.3	33.5	59.8	28.6	51.1
A. Number	8	14	4.6	57.5	4.8	60.0	3.7	46.3
B. Data	16	29	9.4	58.8	9.9	61.9	8.9	55.6
C. Geometry	12	21	5.5	45.8	5.7	47.5	5.0	41.7
D. Algebra	20	36	12.6	63.0	13.1	65.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Old Town School Department
 School: Leonard Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	102	23	23	45	44	21	21	13	13	848	71	30	41	17	13	850	14471	15	38	25	23	843
Ethnicity																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										1						114	5	31	32	32	836
Asian or Pacific Islander	0										0						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	100	23	23	45	45	20	20	12	12	849	68	31	43	16	10	852	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	17	0	0	2	12	7	41	8	47	829	11	0	18	36	45	831	2242	2	12	22	63	824
No	85	23	27	43	51	14	16	5	6	852	60	35	45	13	7	854	12229	17	42	25	16	846
Current LEP																						
Yes	0										1						336	6	18	26	51	829
No	102	23	23	45	44	21	21	13	13	848	70	30	41	17	11	851	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	33	7	21	9	27	9	27	8	24	842	24	25	29	21	25	843	5270	6	30	28	36	835
No	69	16	23	36	52	12	17	5	7	851	47	32	47	15	6	854	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	102	23	23	45	44	21	21	13	13	848	71	30	41	17	13	850	14466	15	38	25	23	843
Gender																						
Female	55	11	20	25	45	14	25	5	9	847	36	28	39	19	14	848	7070	15	39	25	22	843
Male	47	12	26	20	43	7	15	8	17	849	35	31	43	14	11	853	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	17	0	0	8	47	6	35	3	18	841	15	0	40	40	20	839	857	5	25	33	37	835
No	85	23	27	37	44	15	18	10	12	850	56	38	41	11	11	853	13614	15	38	24	22	843
Gifted/talented program																						
Yes	5	5	100	0	0	0	0	0	0	878	5	100	0	0	0	878	700	68	27	3	1	866
No	97	18	19	45	46	21	22	13	13	847	66	24	44	18	14	848	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	3	33	1	11	5	56	832	8	0	50	17	33	839	8	8	24	24	44	833
B. less than one hour	61	16	26	24	39	17	27	5	8	849	66	30	40	19	11	851	51	12	38	26	23	842
C. one to two hours	29	6	20	18	60	3	10	3	10	851	24	35	41	12	12	852	36	19	40	23	19	845
D. more than two hours	1	1	100	0	0	0	0	0	0	866	1	100	0	0	0	866	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	45	17	37	18	39	6	13	5	11	853	48	44	29	12	15	854	28	33	41	15	11	852
B. good	40	6	15	18	44	11	27	6	15	845	39	21	46	21	11	848	45	11	43	25	21	842
C. fair	13	0	0	7	54	4	31	2	15	841	10	0	57	29	14	839	21	3	27	35	35	834
D. poor	2	0	0	2	100	0	0	0	0	852	3	0	100	0	0	852	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	51	11	21	20	38	16	31	5	10	847	54	26	37	29	8	849	28	23	41	21	15	848
B. They match some of what I have learned.	41	7	17	24	57	4	10	7	17	848	38	22	56	4	19	850	52	13	40	25	21	843
C. They match just a little of what I have learned.	8	5	63	1	13	1	13	1	13	861	8	83	0	0	17	865	16	8	28	30	34	836
D. There is no match.	0										0						4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	16	2	13	10	63	3	19	1	6	849	14	10	60	30	0	849	32	6	34	29	32	837
B. about the same as my regular schoolwork	57	5	9	25	43	18	31	10	17	842	54	11	42	24	24	842	52	13	41	25	20	843
C. easier than my regular schoolwork	27	16	59	9	33	0	0	2	7	861	32	70	30	0	0	866	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	10	20	51	10	26	5	13	845	37	15	50	23	12	847	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	55	15	27	24	43	9	16	8	14	849	56	33	38	13	15	851	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	6	3	50	1	17	2	33	0	0	860	7	60	20	20	0	864	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	22	2	9	8	36	5	23	7	32	838	18	15	31	23	31	840	34	18	40	22	20	845
B. two or three days a week	63	16	25	29	45	13	20	6	9	850	68	29	46	17	8	852	35	14	38	26	21	843
C. two or three times each month	15	4	27	8	53	3	20	0	0	855	13	44	33	11	11	856	18	12	37	27	24	841
D. never or almost never	1	1	100	0	0	0	0	0	0	862	1	100	0	0	0	862	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	4	2	50	2	50	0	0	0	0	865	4	67	33	0	0	869	9	13	38	23	26	841
B. two or three days a week	19	6	32	5	26	5	26	3	16	850	21	40	20	20	20	851	17	11	37	26	26	841
C. two or three times each month	25	5	19	14	54	6	23	1	4	850	30	24	52	19	5	852	28	15	40	25	20	844
D. never or almost never	52	10	19	24	45	10	19	9	17	845	45	25	44	16	16	847	46	16	36	24	23	843
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	74	18	24	34	45	15	20	8	11	849	77	31	40	18	11	851	52	19	41	22	18	846
B. agree	23	4	17	10	43	5	22	4	17	846	20	21	50	7	21	848	39	11	35	27	27	840
C. disagree	4	1	25	1	25	1	25	1	25	842	3	50	0	50	0	852	6	7	28	26	39	835
D. strongly disagree	0										0						3	4	25	28	43	832
Optional school/SAU question																						
A.	7	1	14	3	43	3	43	0	0	848	0											
B.	15	0	0	9	64	2	14	3	21	841	0											
C.	62	18	31	25	43	10	17	5	9	852	82	32	42	19	8	853						
D.	16	2	13	5	33	4	27	4	27	841	18	17	42	17	25	843						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	17	17	15	21	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	65	64	44	62	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	18	18	11	15	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	2	2	1	1	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	35.3	63.0	36.5	65.2	32.0	57.1
D. The Physical Setting	31	55	18.3	59.0	19.2	61.9	17.1	55.2
D1/D2 Earth/Space	17	30	10.1	59.4	10.6	62.4	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	8.2	58.6	8.5	60.7	7.7	55.0
E. The Living Environment	25	45	17.0	68.0	17.3	69.2	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Old Town School Department
 School: Leonard Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	102	17	17	65	64	18	18	2	2	851	71	21	62	15	1	853	14263	15	47	26	12	846
Ethnicity																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										1						114	8	39	31	22	839
Asian or Pacific Islander	0										0						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	100	17	17	65	65	17	17	1	1	851	68	22	65	13	0	854	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	17	0	0	10	59	5	29	2	12	842	11	0	55	36	9	843	2221	3	22	36	38	832
No	85	17	20	55	65	13	15	0	0	853	60	25	63	12	0	855	12042	17	51	24	7	848
Current LEP																						
Yes	0										1						331	4	20	39	37	832
No	102	17	17	65	64	18	18	2	2	851	70	21	63	14	1	853	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	33	3	9	21	64	8	24	1	3	847	24	8	67	21	4	848	5184	6	40	33	21	840
No	69	14	20	44	64	10	14	1	1	852	47	28	60	13	0	855	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	102	17	17	65	64	18	18	2	2	851	71	21	62	15	1	853	14258	15	47	26	12	846
Gender																						
Female	55	7	13	33	60	14	25	1	2	848	36	17	61	19	3	851	6953	14	47	28	11	846
Male	47	10	21	32	68	4	9	1	2	854	35	26	63	11	0	855	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	17	1	6	12	71	4	24	0	0	848	15	7	67	27	0	848	828	5	35	40	20	839
No	85	16	19	53	62	14	16	2	2	851	56	25	61	13	2	854	13435	16	48	25	12	846
Gifted/talented program																						
Yes	5	5	100	0	0	0	0	0	0	875	5	100	0	0	0	875	699	65	34	2	0	865
No	97	12	12	65	67	18	19	2	2	850	66	15	67	17	2	851	13564	13	48	27	13	845

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Old Town School Department
School: Leonard Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	6	67	2	22	1	11	844	8	0	50	50	0	844	8	8	34	28	30	837
B. less than one hour	61	14	23	38	61	9	15	1	2	853	66	26	62	11	2	854	51	14	48	27	11	846
C. one to two hours	29	3	10	20	67	7	23	0	0	849	24	18	65	18	0	852	36	19	48	24	9	848
D. more than two hours	1	0	0	1	100	0	0	0	0	854	1	0	100	0	0	854	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	14	6	43	8	57	0	0	0	0	859	17	50	50	0	0	861	23	27	47	17	8	851
B. good	68	10	14	48	70	10	14	1	1	851	63	18	71	11	0	853	53	15	50	26	10	847
C. fair	17	1	6	7	41	8	47	1	6	845	17	8	33	50	8	846	20	4	43	35	18	840
D. poor	2	0	0	2	100	0	0	0	0	848	3	0	100	0	0	848	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	21	3	14	15	71	3	14	0	0	851	24	18	71	12	0	853	26	20	49	23	9	849
B. They match some of what I have learned.	55	11	20	34	61	10	18	1	2	852	51	28	58	14	0	855	51	14	48	26	11	846
C. They match just a little of what I have learned.	21	3	14	13	62	4	19	1	5	849	23	13	63	19	6	849	18	13	44	28	15	844
D. There is no match.	4	0	0	3	75	1	25	0	0	848	3	0	50	50	0	850	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	33	4	12	23	70	5	15	1	3	850	37	12	73	12	4	850	32	13	45	28	14	844
B. about the same as my regular schoolwork	60	13	21	35	57	12	20	1	2	852	58	29	54	17	0	855	56	15	49	25	11	847
C. easier than my regular schoolwork	7	0	0	6	86	1	14	0	0	851	6	0	75	25	0	849	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	41	6	14	28	67	8	19	0	0	849	35	24	64	12	0	853	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	56	11	19	36	63	8	14	2	4	852	61	21	63	14	2	853	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	1	33	2	67	0	0	841	4	0	33	67	0	841	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	17	3	18	10	59	3	18	1	6	850	14	30	50	20	0	853	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	36	4	11	28	78	4	11	0	0	850	36	12	76	12	0	851	23	17	49	22	12	847
C. the course(s) described in B, plus physics	22	9	41	10	45	3	14	0	0	859	29	45	40	15	0	859	21	31	44	17	7	852
D. a life science and physical science class	26	1	4	17	65	7	27	1	4	846	21	0	80	13	7	848	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	33	9	26	19	56	5	15	1	3	853	32	35	52	13	0	857	27	23	47	20	10	849
B. agree	36	7	19	24	65	6	16	0	0	852	37	23	62	15	0	853	37	14	47	27	12	846
C. disagree	24	1	4	17	71	6	25	0	0	849	24	6	76	18	0	850	25	11	48	29	12	845
D. strongly disagree	7	0	0	5	71	1	14	1	14	842	7	0	60	20	20	841	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	36	10	27	22	59	4	11	1	3	854	35	36	56	8	0	857	31	22	46	22	10	849
B. agree	53	7	13	38	70	9	17	0	0	851	54	16	68	16	0	852	50	14	49	26	11	846
C. disagree	8	0	0	4	50	3	38	1	13	843	7	0	60	20	20	841	14	9	45	31	15	843
D. strongly disagree	3	0	0	1	33	2	67	0	0	841	4	0	33	67	0	841	5	3	38	34	25	837
Optional school/SAU question																						
A.	7	1	14	6	86	0	0	0	0	851	0											
B.	15	0	0	8	57	5	36	1	7	843	0											
C.	62	13	22	39	67	6	10	0	0	854	82	23	66	11	0	854						
D.	16	1	7	9	60	5	33	0	0	848	18	8	58	33	0	849						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number